AAVP Newsletter

American Association of Veterinary Parasitologists

June 2002 **Volume 24, Number 2**

From the President

From the President:

The 2002 AAVP Annual Meeting in Nashville, Tennessee is rapidly approaching. By all reports, the Gaylord Opryland Resort is a unique meeting place and our Program Chair, Dr. Craig Reinemeyer, is organizing our customary excellent scientific program and social events. Make sure your stay in Nashville includes the Tuesday morning AAVP/AVMA President's Symposium, which this year will provide updates on several important topics in small animal veterinary parasitology. The President's Symposium makes an effort to bridge the interests of parasitologists and practitioners and gives us great exposure with AVMA. Please attend these state-of-the-art presentations and support our speakers.

As you know, our election for Vice President ended this year in a tie, necessitating a second election. Dr. Phil Scholl, chair of the Nominating Committee, has reported a much higher turnout for this second election and the enthusiastic response to the request for ballots is greatly appreciated. Our Nominating Committee should be acknowledged for providing such outstanding candidates. I suspect that the number of ballots returned in the first election was low because many members knew that either nominee would do an excellent job if elected. This situation does highlight the importance of every member of AAVP, however. Voting in the annual election may seem like a trivial activity, but the low return on ballots probably increased the risk of a tie, leading to increased costs in printing and mailing new ballots. Please stay active in AAVP. Even if you don't have the opportunity to join a committee, attending the annual meeting and voting in the annual election are demonstrations of your interest in and enthusiasm for our discipline. If you can, sign up for a committee at the annual meeting. If you have ideas for improving, promoting or even changing AAVP, please share them with comnmittee or executive board members or at the annual meeting.

As I finish up my year as President, I would like to particularly thank officers and committee members for their efforts for the Association and acknowledge especially the perennial hard work of Dan Snyder, our Secretary/Treasurer, who really holds everything together. Let's have a great meeting in Nashville!

Anne Zajac, President AAVP. □

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From the Secretary Treasurer

From the Secretary/Treasurer

The 47th Annual Meeting of the AAVP is fast approaching. As of June 1st almost 75 people have pre-registered for the meeting. All of the AAVP functions including the President's AVMA/AAVP joint symposium will be held in the Opryland Hotel and Resort in Nashville. Craig Reinemeyer has assembled a very exciting scientific program which kicks off at 2:00 PM on Saturday July 13th and ends at noon on Tuesday July 16th with Anne Zajac's President's Symposium on Current Topics in Companion Animal Parasitology. On Saturday evening we will have a Fort Dodge Animal Health sponsored social following a series of papers presented by Fort Dodge, on Sunday evening a Social sponsored by Bayer, and on Monday evening an AAVP sponsored social. AAVP will again host a lunch for students on Monday to allow them to interact and to get to know each other better and to elect a new student representative. The AAVP business meeting, Presidential address and awards presentations will be on Monday afternoon. A listing of the Program titles, times and room locations are listed elsewhere in the Newsletter as well as being listed on the AAVP web site (www.aavp.org). In mid-June a postcard will be mailed to those meeting attendees who pre-registered and this card will serve as your receipt and evidence of registration. Please bring the card to the meeting as your evidence of registration. The onsite staff in Nashville will provide you with pre-printed name badges (if you pre-registered), the Proceedings book and other meeting materials starting at 10 AM on Saturday. Please contact me if you have any questions about your pre-registration. For those who did not pre-register, a table will be set up outside the meeting rooms on Saturday and you can register on-site starting at 10 AM and all day Sunday. On-site registrations and payment of dues must be made with either cash or check as I have not been able to secure credit card processing for the Association. At the registration table will be several items related to the meeting including the membership dues list (check to see if your dues are current; if not please consider paying at the meeting), the membership mailing list (confirm that I have your correct mailing address, phone, fax and email numbers) and a list of AAVP committees for those who would like to volunteer. For those members who are unable to attend the Nashville meeting, the Proceedings book will be mailed to you after the meeting sometime in August. Hope to see you in Nashville. *Submitted by Dan Snyder, Secretary-Treasurer, AAVP. Phone: 317/277-4439; fax: 317/651-3125; email: snyder_daniel_e @Lilly.com* □

Awards

AAVP Distinguished Veterinary Parasitologist Award (sponsored by Pfizer Animal Health): The Awards Committee received and reviewed several excellent nominations for the Association's Distinguished Veterinary Parasitologist Award. The outstanding candidate chosen for the 2002 AAVP Distinguished Parasitologist Award is **Dr. Sidney Ewing**, Professor of Veterinary Parasitology, Department of Veterinary Pathobiology, Oklahoma State University. Congratulations, Sid. A biographical sketch on Dr. Ewing will appear in the Proceedings book prepared for the Annual meeting in Nashville. As well, a synopsis of his talk at the meeting will appear in the October 2002 AAVP Newsletter.

AAVP-Intervet Graduate Student Award (sponsored by Intervet): This year there were no nominations for the AAVP Graduate Student Award.

AAVP Young Investigator Travel Grant Awards Winners: Seventeen students or post-docs applied successfully for AAVP Young Investigator Travel Grant Awards. Funds will be awarded to these individuals to assist them in attending this year's annual meeting. The names of the travel grant recipients, including institutions and advisors, are: Gagan Gupta (University of Missouri-Columbia, A. Marsh), Marion Butcher

(University of Missouri-Columbia, A. Marsh), Alexa Rosypal (Virginia Tech, D. Lindsay), Katie Hancock (Virginia Tech, D. Lindsay), Sheila Mitchell (Virginia Tech, D. Lindsay), Ritesh Tandon (University of Georgia, R. Kaplan), Christine McCoy (Kansas State University, M. Dryden), Nina Steenhard (The Royal Veterinary and Agricultural University of Copenhagen, K.D. Murrell), Helena Mejer (The Royal Veterinary and Agricultural University of Copenhagen, K.D. Murrell), Marie Baudena (Louisiana State University, T. Klei), Nicole Guselle, (University of Calgary, M. Olson), Wayne Forbes (University of Pennsylvania, G. Schad), Sandra Nishi (ANRI, ARS, USDA, J. Lunney), Andrea Varela (University of Georgia, S. Little), Patrick Meeus (University of Florida, E. Greiner), Cynthia Tate (University of Georgia, S. Little), Elizabeth Kruttlin (Michigan State University, L. Mansfield). *Submitted by Alvin A. Gajadhar, Chair, AAVP Awards Committee*. □

Committee Reports

AAVP Election Results: Report from the Nominating Committee

The 2002 AAVP Nominating Committee (Phil Scholl, Chair; Lora Ballweber, Ann Donoghue, Tim Geary, Susan Little and Sharon Patton) wishes to congratulate the winner of the AAVP election for Vice President and the new members of the Nominating Committee. Based on the results of the run-off election, Dr. Linda Mansfield, Michigan State University has been elected as Vice President and Program Chair for 2002-2003. Dr. Joan Lunney, USDA-ARS, Beltsville, MD, and Dr. Tom Nolan, University of Pennsylvania, Philadelphia, PA have been elected as the two new members of the Nominating Committee. Congratulations to all, and special thanks to the Nominating Committee for an excellent job. *Submitted by Phil Scholl, Chair, AAVP Nominating Committee.* □

Letter from the Editor

AAVP Newsletter Changing Format

Beginning with the October 2002 issue, the AAVP newsletter will be changing to an all-electronic format. This is the last print copy of the Newsletter that the Association will produce and mail, so be sure to archive it in your files for posterity!

Three issues of the Newsletter (February, June, and October) will continue to be produced each year. An announcement will be sent out via the AAVP list serve once each issue is posted on the web. Individual members may then access the Newsletter via the AAVP web page (www.aavp.org) and download it for printing if desired.

This change will save the considerable expense and effort required to produce and mail hardcopies of the newsletter three times each year. Hopefully it will also be easier for individual members, as web-based Newsletters allow us all one less document to keep track of in our crowded, busy lives. I am excited about this change, and look forward to working with the membership to see that the transition to all-electronic format is a positive development for the Association. *Submitted by Susan Little, Editor, AAVP Newsletter.* □

Positions Available

Graduate Assistantship in Veterinary Parasitology

The Department of Pathobiology, College of Veterinary Medicine, Auburn University announces the availability of support for either a DVM or non-DVM, MS or PhD candidate for graduate studies in parasitology. Programs of research are available in several subject areas including molecular parasitology, immuno-parasitology, developmental chemotherapy, and pathogenetic mechanisms of disease. Faculty in the Department of Pathobiology are currently working on parasites and parasitic diseases caused

by arthropod, protozoal and helminth parasites using in vitro cultivation systems and available animal models. Interested candidates should contact Dr. Byron L. Blagburn for additional information (Department of Pathobiology, College of Veterinary Medicine, Auburn University, AL 36849-5519; TEL: (334) 844-2702; FAX: (334) 844-2652; Email: blagbbl@vetmed.auburn.edu *Submitted by Byron Blagburn.* □

Future Meetings

10th International Congress of Parasitology, ICOPA X

The 10th International Congress of Parasitology, ICOPA X, Parasitology in the New World, will be held August 4 -10, 2002 in Vancouver, Canada. ICOPA X is sponsored by the Canadian Society of Zoologists (Parasitology Section) and the American Society of Parasitologists. For further information please contact ICOPA X, Conference Secretariat, Venue West Conference Services Ltd., #645-375 Water Street, Vancouver, B.C. Canada V6B 5C6 or visit the meeting web page (www.venuewest.com/ ICOPA/).

IX International Conference on Lyme Borreliosis and Other Tick-Borne Diseases

The IX International Conference on Lyme Borreliosis and Other Tick-Borne Diseases will be held August 18-22, 2002 at the Hyatt Grand Central New York, NY USA. Registration is $475 USD before May 10, $550 USD before August 9, and $650 USD on site. Residents/students receive a reduced registration rate of $200 USD. For further information about the meeting, contact Heather Drew, Imedex, 70 Technology Drive, Alpharetta, GA 30005; tel: + 1 770-751-7552; fax: +1 770-751-7334, email: h.drew@imedex.com, or visit the meeting website (www.imedex.com/ infectiousdisease.htm).

31st Annual Conference of the Parasitological Society of Southern Africa, Golden Gates Highlands National Park, South Africa

The 31st Annual Conference of the Parasitological Society of Southern Africa: consolidating achievements in parasitology for a better tomorrow, will take place October 7-11, 2002 at the Golden Gate Highlands National Park, Eastern Free State of South Africa. The meeting is hosted by the Parasitology Research Programme, University of the North, Qwa-Qwa Campus.

The PARSA Congress will follow topics related to medical, veterinary and basic parasitology, including parasite systematics, parasite epidemiology, parasite pathology, resistance to parasites, and parasite control. Additional information can be found on the conference web site (http://www.parsa.ac.za/) or by emailing inquiries to parsa2002@uniqwa.ac.za.

7th International Symposium on Ectoparasites of Pets

Kansas State University and STILLMEADOW, Inc. are proud to announce that the 7th International Symposium on Ectoparasites of Pets will take place on April 13 – 16, 2003, at the San Luis Resort and Conference Center in Galveston, Texas, USA. Please mark the date on your calendar. If you would like information on the submission of papers and the scientific sessions, please contact Dr. Michael Dryden (dryden@ksu.edu) or Dr. Alberto Broce (abroce@ksu.edu) at Kansas State University. If you are interested in Corporate Sponsorship, sponsorship of social events or outside activities, please contact Bob Sabol at STILLMEADOW, Inc. (bsabol@stillmeadow.com). Please inform any colleagues who may be interested in attending. Details, registration forms and programs will follow.

19th International Conference of the World Association for the Advancement of Veterinary Parasitology

The 19th International Conference of the World Association for the Advancement of Veterinary Parasitology: Old Dreams - New Visions: Veterinary Parasitology in the 21st Century, will be held at the Conference Hotel, the Sheraton, New Orleans, USA from August 10 – 14, 2003. Twenty topics for symposium, workshops and plenary sessions are proposed. To receive information on the scientific program, call for abstracts, and registration, please contact the Secretariat at: WAAVP Organizing Secretariat; Crescent City Consultants; 210 Baronne Street Suite 1108; New Orleans, LA 70112 USA; E-mail: ccc@ccc-nola.com. Information is also available on the meeting web page (www.ccc-nola.com/waavp2003). A traditional mailing with meeting information will take place at the end of 2002. □

Future Meetings of the AAVP

47th Annual Meeting of AAVP

Preparations are well underway for the 47th annual meeting of the AAVP in Nashville, Tennessee. The meeting schedule has been completed, and a copy of the program is included in this newsletter. In addition to five special symposia supported by the AAVP or commercial sponsors, this year's program includes three new features. 1) Two sessions devoted to Equine Protozoal Myeloencephalitis have been scheduled on Sunday morning. Dr. Tom Kennedy has solicited numerous papers from equine clinicians and other EPM investigators who are not (yet) members of AAVP, and we anticipate some stimulating interactions. 2) All student papers will be presented consecutively in special sessions. While this should facilitate the judging for "best paper," the main intent was to give special recognition to our young colleagues who will become the future nucleus of this organization. As in recent years, graduate students have been invited to co-chair nearly all regular sessions at the meeting. 3) A forum on educational issues in veterinary parasitology has been scheduled for Monday morning, and will be moderated by Dr. Cliff Monahan. All members who are interested in educating the next generation of veterinarians and parasitologists are encouraged to attend and offer their input.

Traditionally, the best feature of any AAVP meeting is the conversation during the breaks and at the socials, and the Opryland Hotel will provide a pleasant venue for renewing old, and forging new, friendships. I look forward to seeing you in Nashville. *Submitted by Craig Reinemeyer, Program Chair.* □

Future AAVP meetings:

48th meeting in 2003 - Denver
49th meeting in 2004 - Philadelphia
50th meeting in 2005 - Minneapolis
51st meeting in 2006 - Honolulu

Program for 2002 AAVP Meeting

Saturday, July 13, 2002

10:00 AM-7:00 PM Registration
Room: Governors Section

10:00 AM-1:30 PM AAVP Executive Committee Meeting & Luncheon
Room: Delta Island Board Room

2:00-2:15 PM Opening Remarks
Room: Governors A
President: A. Zajac
Vice President & Program Chair: C. Reinemeyer

Session I. Room: Governors A
MERIAL SYMPOSIUM:
"Chronic infection and disesase"
Moderator: D. Carithers

2:15 1 Are all diseases infectious? E.B. Breitschwerdt*

3:00 2 Comparative medical features of canine and human bartonellosis. E.B. Breitschwerdt*

3:45-4:15 BREAK

Session II. Room: Governors A
Topic: Swine
Moderators: J. Urban, Jr., N. Steenhard

4:15 3 Use of real-time RT-PCR analysis to detect local responses to *Toxoplasma gondii* in swine. S. Nishi*, J. Lunney, E. Beshah, G. Solano-Aguilar, J.P. Dubey, J.F. Urban, Jr., H. Dawson

4:30 4 Verification of a Th1/Th2 paradigm of cytokine gene expression in swine infected with *Toxoplasma gondii* and *Ascaris suum* using real-time RT-PCR analysis. H. Dawson, E. Beshah, S. Nishi, G. Solano-Aguilar, M. Morimoto, A Zhao, K. Madden, H. Kringel, T. Ledbetter, J.P. Dubey, T. Shea-Donoghue, J. Lunney, J.F. Urban, Jr.*

4:45 5 A TGF-β homologue within populations of *Ascaris suum* 4th stage larvae (L4): Evidence for multiple splicing and regulated transcription between L4 in the jejunum and ileum following spontaneous cure. D.S. Zarlenga*, M. Morimoto, J.F. Urban, Jr., J.P. McCarter

5:00 6 Nutritional deworming: Anthelmintic effect of inulin on *Oesophagostomum dentatum*. S. Petkevicius*, K.D. Murrell, K.E. Bach Knudsen

Session III. Room: Governors E
Topic: Anthelmintic Resistance
Moderators: C. Faulkner, R. Tandon

4:15 7 Characterizing two glutamate receptor subunits from the cattle nematode *Cooperia oncophora*. A.I. Njue, R.K. Prichard*

4:30 8 Prevalence of anthelmintic resistance on horse farms in the southern United States. R.M. Kaplan*, T.R. Klei, E.T. Lyons, D.D. French, G.D. Lester, C.H. Courtney

4:45 9 Comparison of cyathostome control and selection for benzimidazole resistance using moxidectin gel or Panacur® Powerpac paste. C.R. Reinemeyer*, A.W. Farley

5:00 10 Prevalence of anthelmintic resistance in gastrointestinal nematodes of goats. R.M. Kaplan*, L.L. Mortensen, L.H. Williamson, T.H. Terrill, R. Kircher, M. Larsen

5:15 11 Treatment and control of parasitic infection in goats with Golden Blend Dewormer (morantel tartrate). C.T. Faulkner*, K. Smedley, S. Patton

FORT DODGE ANIMAL HEALTH SYMPOSIUM:

Session IV. *"Research update on moxidectin"*
Room: Governors A
Moderator: D. Rock

5:30 12 PROHEART® 6 and PROHEART® SR-12 research update: Larvicidal effects against hookworms; safety evaluation in puppies and safety at 15X PROHEART® 6 in adult dogs. K. Heaney*, S. Ranjan, R.M. Cleale, R.D. Rulli, D.D. Bowman, L. Hulsebos, M. Holm-Martin, R. Atwell

5:45 13 Evaluation of moxidectin (PROHEART® 6 and PROHEART® SR-12) against 3-, 4-, and 6-month-old infections of *Dirofilaria immitis* in Beagles. J.W. McCall*, P. Supakorndej, M.T. Dzimianski, A. Mansour, J-J. Jun, N. Supakorndej, S.D. McCall, K. Heaney, R.D. Rulli

6:00 14 Effects on non-pest insects in dung from cattle treated with endectocides: a comparison of four products. K.D. Floate, D.D. Colwell*

7:00 - 9:00 PM Presidential Ballroom C & E

FORT DODGE ANIMAL HEALTH SOCIAL

Sunday, July 14, 2002

Session V. Room: Governors A
Topic: Equine Protozoal Encephalomyelitis (I)
Moderators: T. Kennedy, G. Gupta

8:00 15 Evaluation of *in vitro* and *in vivo* cell-mediated immune response of horses immunized with a killed *Sarcocystis neurona* vaccine. A.E. Marsh*, J. Lakritz, M. Miller, A.E. Halaney, P.J. Johnson, Y-W. Chiang, H-J. Chu

8:15 16 Development of an ELISA to detect antibodies to rSAG1 in the horse. S.P. Ellison*, T. Kennedy, K. Brown

8:30 17 Mining the *Sarcocystis neurona* sequence database for parasite antigens/virulence factors. D.K. Howe*

8:45 18 Prevention by ponazuril of CNS infection in *S. neurona*-challenged mice. R.F. Franklin*, R.J. Mackay, K. Gillis, P. Ginn, T. Kennedy

9:00 19 Anti-*Sarcocystis neurona* and *Neospora* sp. antibodies in healthy French horses from two farms with previous EPM-like cases. P.H. Pitell, D.S. Lindsay, S. Romand, S. Caure, S. Pronost, G. Gargala, S.M. Mitchell, C. Hary, P. Thulliez, G. Fortier, J.J. Ballet*

9:15 20 A case for latency in development of EPM due to *Sarcocystis neurona*. C.M. Brown, A.J. Murphy*, M.G. Rossano, J.A. Bell, J.S. Patterson, L.S. Mansfield

9:30 21 Effect of *Sarcocystis neurona* sporocyst inoculation dose on the induction of equine protozoal myeloencephalitis (EPM). C.D. Sofaly*, S.M. Reed, J.C. Gordon, J.P. Dubey, W.J.A. Saville

9:45 22 Equine model for *Sarcocystis neurona* infection. S. Ellison*, T. Kennedy, K. Brown

10:00-10:30 BREAK

Session VI. Room: Governors E
Topic: Companion Animal Ectoparasites (I)
Moderators: S. Little, C. McCoy

8:30 23 The onset of action of Capstar® (nitenpyram) against cat fleas (*C. felis*). S.C. Parks*, J. Cunningham, R. Everett

8:45 24 Efficacy of nitenpyram (CAPSTAR®) against *Ctenocephalides felis* over the first three hours following treatment of cats and dog. R. Schenker*, G. Strehlau

9:00 25 Effect of 0.29% w/w fipronil spray on adult flea mortality and egg production of three different cat flea, *Ctenocephalides felis* (Bouché), strains infesting cats. P.A. Payne*, M.W. Dryden, V. Smith, R.K. Ridley

9:15 26 Efficacy of selamectin and fipronil/(s)-methoprene against the adult cat flea, *Ctenocephalides felis* and flea eggs on cats. M. Dryden*, P. Payne, V. Smith, D. Mouzin, L. Thompson

9:30 27 The efficacy of selamectin in the treatment and control of flea allergy dermatitis (FAD) in dogs and cats exposed to infestations of fleas (*Ctenocephalides felis felis*). S.K. Dickin, T.L. McTier*, R. Bond, I.S. Mason, M.G. Murphy, M. Payne-Johnson, D.G. Smith, N.A. Evans, A.D. Jernigan, T.G. Rowan

9:45 28 Activity of selamectin, fipronil and imidacloprid on flea egg production and viability in cats. T. McTier*, M. Dryden, D. Young, T. Osterling, L. Thompson

10:00-10:30 BREAK

Session VII. Room: Governors A
Topic: Equine Protozoal Encephalomyelitis (II)
Moderators: A. Marsh, M. Rossano

10:30 29 Effect of ponazuril on *Sarcocystis neurona* infection of horses. R.J. Mackay, S.T. Tanhauser, K. Gillis, I.G. Mayhew, T. Kennedy*

10:45 30 Preliminary analysis of the equine immune response to *Sarcocystis neurona* antigens. J.S. Hoane*, M. Mroz-Barrett, S.V. Blanco, R.Y. Gaji, D.K. Howe

11:00 31 Pyrantel tartrate alters *Sarcocystis neurona* sporocyst infecton in gamma interferon knock-out mice. E.A. Kruttlin*, M.G. Rossano, R.A. Vrable, A.J. Murphy, J.B. Kaneene, H.C. Schott, J. Patterson, L.S. Mansfield

11:15 32 Molecular and antigenic characterization of a *Sarcocystis neurona*-like isolate. G.D. Gupta*, C. Hyun, M. Butcher, A.E. Marsh

11:30 33 Experimental inoculation of domestic cats (*Felis domestica*) with *Sarcocystis neurona* or *S. neurona*-like merozoites. M. Butcher*, J. Lakritz, A. Halaney, K. Branson, G. Gupta, J. Kreeger, A.E. Marsh

11:45 34 Assessing the agreement of western blot antibody test results of paired serum and cerebrospinal fluid samples from horses tested for *Sarcocystis neurona* infection. M.G. Rossano*, J.B. Kaneene, H.C. Schott, K.D. Sheline, L.S. Mansfield

12:00-1:30-LUNCH

Session VIII. Room: Governors E
Topic: Companion Animal Ectoparasites (II)
Moderators: T. McTier, A. Varela

10:30 35 Imidacloprid + ivermectin topical solution for the control of fleas and prevention of heartworm infection (*Dirofilaria immitis*) in dogs. R.G. Arther*, D.D. Bowman, L.R. Cruthers, R.L. Slone, T.L. Settje

10:45 36 The use of FRONTLINE® Spray Treatment to prevent transmission of *Borrelia burgdorferi*, the causative agent of Lyme disease, from infected black-legged ticks, *Ixodes scapularis*, to dogs. J.S. Hunter, J.W. McCall*, R. Alva, J. Irwin, L.G. Cramer, P. Jeannin, A. Eschner

11:00 37 Evidence of *Borrelia lonestari* infection in white-tailed deer from the southeastern US. S.E. Little*, V.A. Moore, A.S. Varela, M.J. Yabsley, W.R. Davidson

11:15 38 Presence of antibodies reactive to *Sarcoptes scabiei* in wild red foxes and coyotes. S.E. Ambrose, S.E. Little*, W.R. Davidson

12:00-1:30 LUNCH

Session IX. Room: Governors A
Topic: Student Papers (I)
Moderators: S. Patton, H. Mejer

1:30 39 Antigenic variations of *Anaplasma marginale*. P.F. M. Meeus*, K.A. Brayton, G.H. Palmer, A.F. Barbet

1:45 40 Disease agents in the lone star tick (*Amblyomma americanum*) from northeastern Georgia. A.S. Varela*, V.A. Moore, S.E. Little

2:00 41 Responses of normal and cytokine deficient (iNOS and INF-gamma) mice to infection with an American isolate of *Leishmania infantum*. A.C. Rosypal*, D.S. Lindsay, A.M. Zajac, R.B. Duncan

2:15 42 Prevalence of agglutinating antibodies to *Toxoplasma gondii* in urban wildlife from Connecticut. S.M. Mitchell*, D.S. Lindsay, D.J. Richardson, A.M. Zajac

2:30 43 Survey of raccoons (*Procyon lotor*) in northern Virginia for zoonotic parasites. K. Hancock*, A.M. Zajac, F. Elvinger, D.S. Lindsay

2:45 44 Speed of flea kill with nitenpyram tablets compared to imidacloprid spot on and fipronil spot on in dogs. M.W. Dryden, C.M. McCoy*, P.A. Payne

3:00 45 Acquired resistance to cyathostomes in ponies following experimental and natural challenge infections. M.A. Baudena*, M.R. Chapman, T.R. Klei

3:15 46 *In vitro* larval development assay (DrenchRite®) for the detection of anthelmintic resistance in cyathostomes in horses. R. Tandon*, R.M. Kaplan

3:30-4:00 BREAK

Session X. Room: Governors E
Topic: Ruminants
Moderators: L. Gasbarre, J. Trout

1:30 47 Use of a candidate gene array to delineate gene expression in cattle selected for resistance or susceptibility to gastrointestinal nematodes. R.N. Araujo*, T.S. Sonstegard, D. Zarlenga, T. Padilha, L.C. Gasbarre

1:45 48 Identification of genomic regions affecting resistance to gastrointestinal parasites of cattle. L.C. Gasbarre*, T. Sonstegard, C.P. Vantassell, T. Padilha

2:00 49 Changes in colic lymph node and peripheral blood lymphocytes from calves with a primary infection of *Oesophagostomum radiatum*. C. Siefker*, B.L. Boyd

2:15 50 Post-winter survival of cattle strongyle juveniles on a South Dakota pasture. K.J. Mertz, W.B. Epperson, M.B. Hildreth*

2:30 51 Time to elicit clearance (<95%) for selected anthelmintics against *Haemonchus contortus* and *Trichostrongylus colubriformis* infections in jirds, *Meriones unguiculatus*. S.S. Johnson*, G.A. Conder

2:45 52 Persistent efficacy of moxidectin (Cydectin®) pour-on against *Ostertagia ostertagi* in cattle. S. Ranjan*, L. Smith, M. Wulster-Radcliffe, K. Heaney, D. Amodie

3:00 53 Field efficacy of endectocide pour-on formulations against cattle gastrointestinal nematodes. W.G. Kvasnicka*, D.H. Bliss

3:15 54 Efficacy of dietary Quebracho on experimental *Haemonchus contortus* infection in goats. A.M. Zajac*, S. Wildeus, K. Turner

3:30-4:00 BREAK

Session XI. Room: Governors A
Topic: Student Papers (II)
Moderators: A. Farley, A. Rosypal

4:00 55 Biology of *Cryptosporidium parvum* in pigs from weaning to market. N.J. Guselle*, A.J. Appelbee, M.E. Olson

4:15 56 Epidemiology of helminth infections in pigs born and raised on contaminated pastures. H. Mejer*, A Roepstoff, L. Eriksen

4:30 57 The effect of three different doses of *Oesophagostomum* spp on the excretion and mucosal persistence of *Salmonella typhimurium* in pigs. N.R. Steenhard*, T.K. Jensen, D.L. Baggesen, A. Roepstorff, K. Møller

4:45 58 Experimental transmission and isolation of a novel *Ehrlichia* sp. from white-tailed deer. C. Tate*, U. Munderloh, P. Luttrell, D. Mead, E. Howerth, V. Dugan, M. Yabsley, W. Davidson

5:00 59 Anti-parasitic efficacy of herb extracts for *Toxoplasma gondii* and *Neospora caninum*. H.J. Youn*, D.Y. Kim, J. Lakritz, G.E. Rottinghaus, A.E. Marsh

Session XII. Room: Governors E
Topic: *"Recent Developments in Applied Parasitology at Bayer"*
Moderators: R. Arther

4:00 60 Imidacloprid + Permethrin: A novel formulation for control of fleas and ticks on dogs. R.G. Arther*, J.R. Cunningham, T.L. Settje, D.R. Young

4:15 61 Imidacloprid (Advantage®) international flea susceptibility monitoring: Update 2002. M.B. Vaughn*, B.L. Blagburn, D.L. Bledsoe, I. Denholm, M.W. Dryden, O. Hansen, T. Hopkins, D.E. Jacobs, H. Mehlhorn, N. Mencke, P. Payne, M.K. Rust, I. Schroeder

4:30 62 Synergic effect of febantel and praziquantel in a gerbil model of giardiasis. M.E. Olson*, T. Kennedy

4:45 63 Efficacy of Marquis® (ponazuril) as a treatment for equine protozoal myeloencephalitis. M. Furr, F. Andrews, R. Mackay, S. Reed, W. Bernard, F. Bain, D. Byars, T. Kennedy*

7:00-9:00 P.M. Presidential Ballroom C & E

BAYER SOCIAL

Monday, July 15, 2002

Session XIII. Room: Governors C
Topic: Protozoa
Moderator: M. Olson, E. Kruttlin

8:00 64 Effects of a cysteine protease inhibitor on cardiac function and pathology in acute canine Chagas' disease. S.C. Barr*, K. Warner, J.H. McKerrow, B. Kornreich, J. Piscitelli

8:15 65 *Cryptosporidium felis* in two children with chronic diarrhea. M.E. Olson*, A. Appelbee

8:30 66 *Toxoplasma gondii* as a surrogate for *Cyclospora cayatanensis*. D.S. Lindsay*, K. Kniel

8:45 67 *Toxoplasma gondii* infection in U.S. swine herds: Serologic test results of the 2000 National Animal Health Monitoring System (NAHMS). S. Patton*, K. Smedley, A. Anderson, C. Faulkner, E. Bush

9:00 68 Comparison of four serological diagnostic techniques for canine leishmaniasis. J. McFarland, A.M. Zajac, C.C. Dykstra, D.S. Lindsay*

9:15 69 Cross-sectional study of *Leishmania donovani* in US dogs. N. Grosjean, R. Vrable, A.J. Murphy, L.S. Mansfield*

9:30 70 Canine visceral leishmaniasis in North America: Current status of epidemiologic investigation. P. Schantz*

9:45 71 Prevalence of *Giardia* in dairy calves and cross-species transmission potential. J.M. Trout*, M. Santin-Duran, J.A. Higgins, R. Fayer

10:00-10:30 BREAK

Session XIV. Room: Governors D
Topic: Nematodes of companion animals / Avian parasites
Moderators: J. McCall, K. Hancock

8:00 72 Histopathologic changes in the lungs of cats experimentally infected with *Dirofilaria immitis*. F.C.L. Maia, J.W. McCall, L.C. Alves*, P. Supakorndej, N. Supakorndej, V.A. Silva, Jr., M.A.G. Faustino, C.A. Peixoto

8:15 73 Efficacy evaluation of ProHeart® 6 (moxidectin) 6 Month Injectable and Sentinel® Flavor Tabs® (milbemycin oxime/lufenuron) for the removal of naturally acquired *Toxocara canis* (roundworm) infections in dogs. D.D. Bowman*, W. Legg, D.G. Stansfield

8:30 74 Efficacy evaluation of ProHeart® 6 (moxidectin) 6 Month Injectable and Sentinel® Flavor Tabs® (milbemycin oxime/lufenuron) for the removal of naturally acquired *Trichuris vulpis* (whipworm) infections in dogs. D.D. Bowman*, W. Legg, D.G. Stansfield

8:45 75 Chemotactic behavior of *Strongyloides stercoralis* infective larvae on a sodium chloride gradient. W.M. Forbes*, F.T. Ashton, R. Boston, G.A. Schad

9:00 76 Efficacy of moxidectin canine sustained release injectable against larval/immature stages of *T. vulpis*, *A. caninum*, and *U. stenocephala* infection in dogs. S. Ranjan*, K. Heaney, K. Simkins

9:15 77 Determination of the limit of detection of commercial point-of-care (POC) heartworm antigen detection tests. J.A. Spencer*, B.L. Blagburn

9:30 78 Effectiveness and benefit of fenbendazole treatment of turkeys infected with *Ascaridia dissimilis* under simulated field conditions. T.A. Yazwinski*, C. Tucker, A. Stelzleni, Z. Johnson, J. Robins, K. Downum, M. Fincher, J. Matlock, H.D. Chapman.

9:45 79 Efficacy of salinomycin following use of diclazuril and Coccivac-B in broilers. H.D. Chapman*

10:00-10:30 BREAK

10:30 - Noon
Session XV. Room: Governors C
Topic: Parasitology Educator's Forum
Moderators: C. Monahan

No formal presentations; group discussion

12:00-1:30-LUNCH
GRADUATE STUDENT LUNCHEON
Room: Presidential Boardroom B

Session XVI. Room: Governors C
AAVP SYMPOSIUM
Topic: *"Mass destruction, bass production, and class instruction"*
Moderator: C. Reinemeyer

1:30 80 Agroterror. C. Brown*

2:10 81 Common and emerging parasitic diseases of foodfish. S.A. Smith*

2:40 82 Educating the educators: Who will teach our future veterinarians? C.M. Monahan*

3:15 – 3:45 BREAK

3:45-4:30 Room: Governors C
AAVP BUSINESS MEETING

4:30-5:30 Room: Governors C
PRESIDENTIAL ADDRESS & AWARDS

7:00 - 9:00 PM Presidential Ballroom C & E

AAVP AND CORPORATE SPONSORS' SOCIAL

AAVP/AVMA PRESIDENT'S SYMPOSIUM
Room: HERMITAGE A & B
"Current Topics in Companion Animal Parasitology"
Moderator: A.M. Zajac

8:00 – 8:45 AM
83 Heartworm update. J.W. McCall*

8:45 – 9:30 AM
84 Flea insecticide resistance: A 2002 perspective. B.L. Blagburn*

BREAK 9:30: - 10:00 AM

10:00 – 10:45 AM
85 Canine leishmaniasis. S.C. Barr*

10:45 – 11:30 AM
86 What do veterinarians and pediatricians really know about zoonoses? J. Gauthier*

AAVP
47TH ANNUAL MEETING
Gaylord Opryland Resort - Nashville

REGISTRATION
Governor's Section
Saturday 13 July, 10:00 AM-7:00 PM
Sunday 14 July, 8:00 AM-6:00 PM

SOCIAL PROGRAM

Fort Dodge Animal Health Social & Reception
Saturday, July 13, 2002
Presidential Ballroom C & E
7:00-9:00 PM

Bayer Animal Health Social & Reception
Sunday, July 14, 2002
Presidential Ballroom C & E
7:00-9:00 PM

AAVP / Corporate Sponsors Social & Reception
Monday, July 15, 2002
Presidential Ballroom C & E
7:00-9:00 PM

AMERICAN ASSOCIATION OF VETERINARY PARASITOLOGISTS

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AMERICAN ASSOCIATION OF VETERINARY PARASITOLOGISTS
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AFFILIATED WITH THE AMERICAN VETERINARY MEDICAL ASSOCIATION
MEMBERSHIP APPLICATION

The objectives of the AAVP and its requirements for membership (Articles II and III of the AAVP Constitution) are:
Objectives: "The objectives of the organization shall be to provide for the association of persons interested in the advancement of veterinary parasitology, and for the presentation and discussion of items of common interest, and to further scientific progress by education and research in veterinary parasitology. This Association is organized exclusively for scientific and educational purposes within the meaning of section 501(C)(3) of the Internal Revenue Code. Notwithstanding any other provision of this constitution, the Association shall not carry out any other activities not permitted to be carried out by an organization exempt from Federal Income Tax under section 501(C)(3) of the Internal Revenue Code."

Membership: "Section 1: Members shall consist of those individuals qualified by background, education and interest in veterinary parasitology. Section 2: New members, except honorary and emeritus, shall be admitted by the Secretary-Treasurer with approval of the Executive Committee, after filing application for membership to the Association. Section 3: Honorary membership shall be awarded by the Association to persons who are not members of the Association in recognition of outstanding and sustained achievements in veterinary parasitology. Candidates for honorary membership shall be recommended to the awards committee by any member. Nomination for honorary membership shall be made by the Awards Committee to the membership and election shall be majority vote at the annual meeting. Honorary members shall not be eligible to vote and shall not be assessed dues. No more than two (2) honorary members shall be elected in any one year period. Section 4: Upon retirement a member may become an emeritus member on approval of the Executive Committee of a written request to the Secretary-Treasurer for such status. Emeritus members shall retain voting rights but shall not be assessed dues. Section 5: Forfeiture of membership will occur where dues are not paid for at least two consecutive years. A member who has forfeited membership by nonpayment of dues must reapply for membership. Section 6: Expulsion of a member may occur if a motion for expulsion is presented by the Executive Committee at the annual meeting and passed by four-fifths (4/5) of the members present and voting. The member is to be informed in writing of such a motion at least two months in advance of the annual meeting at which the motion is to be presented. Section 7: The Executive Committee may annually invite any firm, association, corporation, institution or subdivision thereof, to become a corporate associate member, for financial support of the Association."

Should you wish to become a member of the AAVP, please provide the following information and send this form and a check (regular membership $20.00, student membership $10.00, **U.S. currency**) payable to the AAVP, to the Secretary-Treasurer at the address given below. **The 2002 dues year runs from September 1, 2001 to August 31, 2002.**

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The American Association of Veterinary Parasitologists Newsletter is published three times each year with issues in February, June and October. Contributions to the Newsletter are welcome and should be submitted by the 20th of the month prior to each date of issue.

AAVP Newsletter Deadlines for Submissions

Newsletter	Deadline
June 2002	May 20, 2002
October 2002	September 20, 2002
February 2003	January 20, 2003

Please contact the editor with questions regarding these dates.